

THE FARNHAM PEAT COLLECTION:

**A SUBJECT CATALOG OF THE
PEAT RESEARCH MATERIALS IN THE
NATURAL RESOURCES LIBRARY**

Natural Resources Research Institute

University of Minnesota, Duluth

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THE FARNHAM PEAT COLLECTION:
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PEAT RESEARCH MATERIALS IN THE
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INTRODUCTION

This book is a subject catalog of the peat research materials in the Natural Resources Library at the University of Minnesota, Duluth. The content is organized into two parts. Part A contains the complete subject catalog. Each entry in the subject catalog includes basic descriptive information, such as author, title, date, pagination, and publisher. The call number following each entry shows the location of the item in the Natural Resources Library.

Part B is a Subject Index. The subject terms used here are basically keywords (uncontrolled vocabulary) from the documents. The keywords represent words from titles, abstracts, and in some cases, the actual content of the documents being indexed.

The bulk of the subject headings are constructed around two principal terms, **peat** and **peatlands**. The distinction is whether peat the material is the focus of study or whether peat is looked at primarily in a geographical context. For example, a laboratory analysis of sphagnum would be found under the heading peat, whereas a discussion of wildlife ecology would be indexed under peatlands. Both **peat** and **peatlands** are extensively subdivided.

When using this type of index, several terms must often be considered to ensure a complete search. Some basic rules for searching apply. Scientific or non-technical terminology may be used. Hierarchical terminology is common. Subject matter may be indexed at wildlife and birds, at horticulture and vegetables. Words and phrases with similar meanings often appear. One needs to look at trace elements and heavy metals, at pyrolysis and combustion, for example.

Each term in the Subject Index is followed by a specific page reference, to facilitate moving through the book.

A companion volume entitled The Farnham Peat Collection: Author Catalog of Peat Research Materials in the Natural Resources Library provides additional access to these materials.

The peat holdings in the Natural Resources Library are almost entirely the personal library of Dr. Rouse S. Farnham, professor of Soil Science at the University of Minnesota, now retired. Dr. Farnham donated his library to the Natural Resources Research Institute at the University of Minnesota, Duluth, in 1986.

PART A

SUBJECT CATALOG

CATALOG BY SUBJECT

PEAT

Peat a resource of the future -- teaching manual / by Alain Belanger... [et al.]. - Riviere-du-Loup, Que., Can : Cen. de Re. 115 p. : illus. ; 1988.
ID: 88503260
ZZ 768 TECH REPT

Minnesota's peat resources: their characteristics and use in sewage treatment, agriculture and energy / by Don Howard Boelter, Rouse Smith Farnham, 1918-. - St. Paul, MN: Univ. of MN, Soil Sci. Dept. 13 pp. ; n.d.
ID: 88504197
ZZ 1418 VERT FILE

Peat / by Charles L. Davis. - Wash, DC: Bureau of Mines, Dept of Int. 7 p. : charts : 1981.
ID: 88503820
ZZ 1106 VERT FILE
Preprint from the 1981 Bureau of Mines Minerals Yearbook.

Organic soils, their formation, distribution, utilization and management / by J. F. Davis, R. E. Lucas. - East Lansing : Dept. of Soil Sciences, A. 155 p. : ill. ; 23 cm. ; 1959.
ID: 88504511
S598 .D38 TECH REPT

Irish bogs : a case for planning / by H. van Eck. - Nijmegen : Katholieke Universiteit. 333 p. ; 1984.
ID: 88504575
ZZ 1622 .A1 MONOGRAPH

What do you know about peats? / by Rouse Smith Farnham, 1918-. - Mpls, Mn.: Home and Garden Supply. 4 p. illus. ; n.d.
ID: 88503619
ZZ 933 VERT FILE

Peat resources--classification, properties, and geographical distribution / by Rouse Smith Farnham, 1918-. - St. Paul, Mn. : Univ. of Mn./Soil Sci. 11 p. ; n.d.
ID: 88504370
ZZ 1515 VERT FILE

Inventory of peat resources in Minnesota / by Robin Fox... [et al.]. - St. Paul, MN : Dept of Nat Resources. 36 p. : maps ; 1977.
ID: 88503841
ZZ 1127 TECH REPT

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PEAT

- Mires--swamp, bog, fen, and moor / by A. J. P. (Anthony John Poynter) Gore. - Amsterdam ; New York : Elsevier Scientif. v. <1 > : ill. ; 1983- (Ecosystems of the world ; 4)
ID: 88504947 ISBN/ISSN: 0444420053
QH541.5.M3 M57 1983 MONOGRAPH
Library has v.4A and v.4B of series.
- Torfoznostwo dla meliorantow / by Marian Horawski. - Krakow : Akademia Rolnicza W Krakowie. 206 p. : charts ; 1973.
ID: 88504465
ZZ 1592 MONOGRAPH
Title: Peat Science...
- Einfuehrung in die Torfkunde / by Ralf Kadner. - s.l.: s.n. n.d.
ID: 88505055
ZZ 1902 VERT FILE
Lecture notes of Professor Kadner.
- Organic soils (Histosols) formation, distribution, physical and chemical properties and management for crop production / by Robert E. Lucas, Gainesville. Florida. Agricultural Experiment Station. - [East Lansing, Mich.] Michigan State Uni. 77 p. : ill. ; 28 cm. ; 1982. (Research report (Michigan State University. Agricultural Experiment)
ID: 88500722
S598 .L82 1982 TECH REPT
Added entry:
1. Research report : Michigan State University. Agricultural Experiment.
- The role of the mineral industry & transportation in regional development : the 23rd annual conference proceedings, Duluth / Mid-Continent Research and Development Council. - Mid-Continent Research & Dev. Council. 95 p. : charts; 1976.
ID: 88504372
ZZ 1517 TECH REPT
Contains article "Peat: an important resource in Minnesota.
- Advanced data on peat in 1978 / Mineral Industry Surveys. - Washington, DC: Bureau of Mines. 10 p. : charts; 1979.
ID: 88504453
ZZ 705.2 TECH REPT
- Peatlands / by Peter D. Moore. - New York, NY: Springer-Verlag. 221 p. : illus. ; 1974.
ID: 88503288 ISBN/ISSN: 0-387-91112-X
GB621 .M66 1974B MONOGRAPH

CATALOG BY SUBJECT

PEAT

- Organic soils
8 p. : charts; 1966.
ID: 88504360
ZZ 1506 VERT FILE
- Peat in Minnesota's future / by Moses Passer. 6 p. : photos; 1956.
ID: 88503993
ZZ 1262 VERT FILE
Reprinted from Conservation Volunteer, Sept/Oct, 1956, p. 45-51.
- Peat--resource of the future? / by Moses Passer. 5 p. : photos; 1956.
ID: 88503994
ZZ 1263 VERT FILE
Reprinted from Conservation Volunteer, Jul/Aug 1956, p. 36-41.
- Peat...an important raw material / by Edgar L. Piret. 2 p.; 1956.
ID: 88503579
ZZ 906 VERT FILE
Reprinted from Chemical Engineering Progress, November, 1956, 94-95
- Peat in Canada and Britain economic implications / by Norman W. Radforth, National Research Council of Canada. Associate Committee on Soil and Snow Mechanics. - Ottawa, On. : Nat. Research Council. 11 p. : photos; 1957. (Technical memorandum (National Research Council of Canada) ; 45)
ID: 88504082
ZZ 1339 VERT FILE
Reprinted from The Journal of the Royal Society of Arts, Vol. CIV, Nov. 9, 1956, p. 968-979.
- Peat handbook / by N. N. Samsonov, I. E. Belokopytov, V. S. Varentsov. - Moscow, USSR : State Energy Publishers. 728 p. : charts ; 1954.
ID: 88504833
ZZ 1798 MONOGRAPH
In Russian.
- Peat : a chapter from Mineral Facts and Problems, 1980 edition / by James P. Searls, United States. Bureau of Mines. - Washington, D.C. : U.S. Dept. of the Int. 10 p. : 1 ill. ; 26 cm. ; 1981.
ID: 88501338
TN840 .U9 TECH REPT
Includes tables on world peat production, world peat reserves, peat supply-demand relationships, time-price relationships for peat, 1963-83, projections and forecasts for U.S. peat demand

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Peat in the United States / by Eugene T. Sheridan, Joseph A. DeCarlo. - Washington, DC : Dept Interior/Bur Mines. 25 p. : photos; 1957. (Information circular (United States. Bureau of Mines) ; 7799) ID: 88503876 ZZ 1155 VERT FILE

The occurrence and uses of peat in the United States / by Edgar Kirke Soper, 1886-, Clarence C. Osbon. - Washington : Govt. Print. Off. 207 p. : ill., map ; 1922. (Bulletin (Geological Survey U.S.) ; 728) ID: 88503514 QE75 .B9 NO. 728 MONOGRAPH At head of title: Department of the Interior.

The general aspects of peat development in Sweden / by B. Thorbjornson, Ireland) International Peat Symposium 1954 : Dublin. - Co. Kildare, Ireland: Bord na Mona. 10 p.; 1954. ID: 88503530 ZZ 869 VERT FILE

Peat in the United States / United States. Dept. of the Interior. - Washington, D.C.: U.S. Dept. of Interior. 25 p. (illus); 1957. (Information circular (United States. Bureau of Mines) ; 7799) ID: 88503076 TN295 .U4 NO. 7799 TECH REPT

Lignite and peat: A chapter from Mineral Facts and Problems / United States. Dept. of the Interior. - Washington, D.C.: U.S. Dept. of Interior. 12 p.; 1958. ID: 88503082 ZZ 680 VERT FILE

Advance data on peat in 1979 / United States. Dept. of the Interior. - Washington, D.C. : U.S. Dept. of the Interior. 11 p.; 1980. (Mineral Industry Surveys) ID: 88503108 ZZ 705 TECH REPT

Lignite and peat: a chapter from Mineral Facts and Problems / United States Bureau of Mines. - Washington, D.C.:U.S. Dept. of Interior. 12 pp.; 1955. ID: 88503717 ZZ 1016 VERT FILE Preprint from: Bulletin 556, Bureau of Mines

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PEAT

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Market Aspects of the Peat Industry, 1980-1986 / by Inc. Dialog Information Services. - (Palo Alto, Ca.): Dialog Info. Services. (16 p.) ; 1986. ID: 88503001 ZZ 633 REF A Dialog Search, 16 Apr. 1986.

A broad view of economic development considerations for the peat industry / by Francis H. Geisenhoff. - St. Paul, Mn. : Dept. of Econ. Dev. 10 p. : charts; 1978. ID: 88504296 ZZ 1461 VERT FILE Remarks presented to the members, subcommittee on Minerals and Natural Resources, Grand Rapids, Minnesota.

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The United States Department of Energy peat development program / by Frank J. Mangan. - St. Paul, Mn.: U of Mn, College of Agric. 14 p. : charts ; n.d.
ID: 88503825
ZZ 1111 VERT FILE
Presented for review to the Academic Enrichment and Honors Program Committee, College of Agriculture, University of Minnesota.

Economic effects of Minnesota peatland development / by Patrick D. Meagher. 40 p. : map ; 1979.
ID: 88500001
HD1761 .M5 TECH REPT

Peatlands / by Peter D. Moore. - New York, NY: Springer-Verlag. 221 p. : illus. ; 1974.
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Canadian peat commercialization / by Ahmed Ismail, Institute of Gas Technology.. - St. Catharines, Ont: Montreal Engineer Co. 18 p. : charts ; 1981.
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Peat moss in Canada / by A. A. Swinnerton. - Ottawa, CANADA: Dept of Mines & Tech. Surv. 31 p. : (illus) ; 1958.
(Information circular (Dept. of Mines and Technical Surveys) ; 104)
ID: 88503083
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PEAT INDUSTRY--CONGRESSES

Peat industry : proceedings of the symposium of Commission II, Kouvola, Finland, 7-11 August, 1978 / International Peat Society. Commission II. - Espoo, Finland : The Society. 340, 8 p. : ill., maps ; 1978.
ID: 88501327
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A Symposium on Peat and Peatlands : proceedings = un Symposium sur la tourbe et les tourbieres : compte rendu / by N.B.) Symposium on Peat and Peatlands (1982 : Shippegan, International Peat Society. Canadian National Committee. - Halifax, N.S. : Canadian National Committee. viii, 582 p. : ill. ; 1983.
ID: 88500238 ISBN/ISSN: 0660521024
HD9559.P4 S95 1982 MONOGRAPH

PEAT INDUSTRY--ENVIRONMENTAL ASPECTS

Effect of peat mining on fish and other aquatic organisms in the Upper Midwest / by Dresser & McKee. Environmental Sciences Division. Camp... [et al.]. - Washington, DC : The Office. v, 73 p. : ill. ; 1981.
ID: 88500998
SH177.P4 C35 1981 TECH REPT

Peatland development : impact assessment methods and application / by John C. Clausen... [et al.]. - [St. Paul?] : Minnesota Dept. of Natural. 62 p. : ill. ; 28 cm. ; 1981.
ID: 88501395
TP340 .C55 TECH REPT

Effects of peat utilization on water quality in Minnesota : final report and recommendations / by R. L. Crawford, Minnesota. Division of Minerals, University of Minnesota. Freshwater Biological Institute. - [St. Paul?] : Minnesota Department of Natural. [18] p. : ill. ; 28 cm. ; 1978.
ID: 88501397
TP340 .C73 TECH REPT

Terrestrial wildlife of Minnesota peatlands: a literature search / by William H. Marshall... [et al.]. - St. Paul, MN:DNR. 193 p. ; 1978.
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TP340 .M37 TECH REPT

Evaluation of the potential of peat in Ontario : energy and non-energy uses / Monenco Consultants, Ontario. Ministry of Natural Resources. - Toronto, Ont. : Ministry of Natural Reso. 193 p. : ill. ; 30 cm. ; 1981.
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Proceedings of the U. S. Department of Energy [...] Technical Contractors' Conference on Peat/ Sponsored by the U.S. Dep / Technical Contractors' Conference on Peat. - McLean, VA: UOP, Inc. System Development.
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Peat technology transer visit to Europe : Fall, 1975 / by James E. Carter. - Minneapolis, MN : Minn Energy Agency.
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ZZ 1062 TECH REPT

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2 p. ; 1979.
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ZZ 1464 VERT FILE

PEAT INDUSTRY--IRELAND

A study of the use of peat as a fuel in Ireland / by Kevin Doyle. - St. Paul, Mn. : Univ. of Mn./Dept. Soils.
27 p. : photos, charts ; 1978.
ID: 88504128
ZZ 1372 VERT FILE

PEAT INDUSTRY--MAINE

Some peat deposits in Penobscot County, Maine / by Cornelia C. Cameron, Walter A. Anderson. - Wash, DC : U.S. Dept. Int., Geol. Survey.
[30] p. : charts ; 1979.
ID: 88503832
ZZ 1118 VERT FILE

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PEAT INDUSTRY--MANITOBA

Manitoba peatland farming association incorporation, field activities of the organic solid project: highlights from the / Manitoba Peatland Farming Association. - Steinbach, Manitoba: Manitoba Peatland Farming Assn.
4 p. ; 1982.
ID: 88503122
ZZ 719 VERT FILE

Manitoba Peatland Farming Association : 1982 annual report - Beausejour, Manitoba: Manitoba Peatland Farming Asso.
18 p. : photos ; 1982.
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ZZ 1767 VERT FILE

PEAT INDUSTRY--MINNESOTA

American Peat Company: Business Plan Volume II, Part 1, 1982-1986 / American Peat Company. - St. Paul, Mn.: American Peat Company.
1982.
ID: 88502210
ZZ 245 TECH REPT
Added entry:
1. Fleet Development and Management Corporation

Revegetation of mined peatlands : I. Environmental properties of a mined area / by Mary L. Anderson, Vilis Kurmis, 1922-, Minnesota Peat Program. - [St. Paul, Minn.] : Minnesota Department.
v, 47 p. : charts ; 1982.
ID: 88501339
TN840.U5 A53 TECH REPT

Resume of meeting on peat industry / by Gleason M. Diser. - St. Paul, MN : State of Mn./Dept. Agric.
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ID: 88503989
ZZ 1258 VERT FILE
Office memorandum.

Peat extraction: existing and proposed operations in Minnesota / by Mary King Hoff. - Mpls, Mn. : Univ. of Mn./CURA.
16 p. : charts ; 1983.
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ZZ 1476 TECH REPT

Hypnum peat moss - Lake Mills, Ia. : Eli Colby Company.
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Bio-energy in Minnesota : the peat special energy project / by James F. Idzorek... [et al.]. - [St. Paul, Minn. : the Division. 2, 23, 49 p. : ill. ; 1983.
ID: 88501405
TP340 .I39 TECH REPT
Added entry:
1. 710/2 Minnesota. Dept. of Energy, Planning and Development.

Socio-economic effects of peat resource development in northern Minnesota / by Wilbur R. Maki... [et al.]. - St. Paul : Minnesota Dept. of Natural Resources. iii, 164 p. ; 28 cm. ; 1979.
ID: 88500239
HD9559.P5 M65 TECH REPT

Minnesota peat association (brochure) / Minnesota Peat Association. - (Esco, Mn.: Minnesota Peat Association). 1 p. illus. ; 1988.
ID: 88502959
ZZ 608 VERT FILE

Minnesota Peat Association (Brochure) / Minnesota Peat Association. - (Esco, Mn.: Minnesota Peat Association). 1 p. illus. ; 1988.
ID: 88502960
ZZ 608.1 VERT FILE

Peat industry / by John C. St. Clair. - London, Oh. :. 6 p. : charts ; 1972.
ID: 88504365
ZZ 1511 VERT FILE
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ID: 88501421
TP340 .W3 TECH REPT

PEAT INDUSTRY--ONTARIO

Evaluation of the potential of peat in Ontario : energy and non-energy uses / Monenco Consultants, Ontario. Ministry of Natural Resources. - Toronto, Ont. : Ministry of Natural Reso. 193 p. : ill. ; 30 cm. ; 1981.
(Occasional paper (Ontario. Ministry of Natural Resources) ; 7)
ID: 88504911 ISBN/ISSN: 0774368101
HD9559.P5 C23 1981 MONOGRAPH
Bibliography: p. 190-193.

PEAT INDUSTRY--UNION OF SOVIET SOCIALIST REPUBLICS (USSR)

40 years of peat industry in the USSR / by A. F. Bausin. - Moscow, State Energy Pub. House. 296 p. : illus. : 1957.
ID: 88504935
ZZ 1832 MONOGRAPH
In Russian.

Modern conditions and perspectives of the development of peat industry in the USSR / by B.N. Sokolov. 4 p. ; N.D.
ID: 88504134
ZZ 1378 VERT FILE

PEAT INDUSTRY--UNITED STATES

Peatland policy study / by William A. Fleischman, Minnesota. Department of Natural Resources. - [St Paul?] : Minnesota Dept. of Natural. 98 p. : map ; 28 cm. ; 1978.
ID: 88501341
TN840.U5 F5 TECH REPT

Peat producers in the United States that reported production in 1956 / by Eugene T. Sheridan. - Washington, D.C.: U.S. Dept. of Interior. 8 p. ; 1958.
(Information circular (United States. Bureau of Mines) ; 7817)
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TN295 .U4 NO. 7817 TECH REPT

Peat producers in the United States in ... / United States. Bureau of Mines. - Washington, D.C. : The Bureau. v. ; 27 cm ; 19uu-.
(Mineral industry surveys)
ID: 88500241
HD9559.P5 U67 TECH REPT

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ID: 88502715
ZZ 422 VERT FILE
Added entry:
1. 4,215,692

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ID: 88502716
ZZ 423 VERT FILE
Added entry:
1. 4,226,237

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PEAT--ABSORBENT

Superthin absorbent product / by Heinz A. Pieniak. - Washington, D.C. : U.S. Patent Office.
12 p. : illus. ; 1985.
ID: 88502724
ZZ 431 VERT FILE
Added entry:
1. 4,500,315

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The use of peat in combating oil pollution / by E. Ekman, R. Sandelin.
4 p. ; 1971.
ID: 88503638
ZZ 952 VERT FILE
Reprint from the Bulletin of the International Peat Society (1971): 2, pp. 19-23.

The use of peat in combating oil pollution / by E. Ekman, R. Sandelin.
4 p. : photo, charts ; [1969].
ID: 88504651
ZZ 1685 VERT FILE

Über die Verwendung von Torf bei der Olpestabwehr / by Erkki Ekman. - Forschungsanstalt, Finland : Valtion Tek.
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ID: 88504561
ZZ 1625 TECH REPT
From: Turve- ja oljyteknillinen laboratorio, tiedonanto 1; Otaniemitammi 1972.

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ID: 88502704
ZZ 411 VERT FILE
Added entry:
1. 3,791,990

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ID: 88503446
ZZ 814 TECH REPT
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1. NRRI/TR-89/4
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(7 p.) ; (1984?).
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ZZ 422.1 VERT FILE
Added entry:
1. 0121613

Oil spill absorbing peat / by William D. Moores, LTD. Terra-Nova Power and Development. - (London, U.K.) : Derwent Publications.
(8 p.) ; (1982).
ID: 88502798
ZZ 423.1 VERT FILE
Added entry:
1. 0075384

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ID: 88504654
ZZ 1688 VERT FILE
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ID: 88502933
ZZ 579 .A1 MONOGRAPH
Thesis (Ph.D.) - Univ. of Cincinnati, 1976.

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The development of peat lands / by Eville Gorham.
21 p. : charts; [1954].
ID: 88503963
ZZ 1232 VERT FILE
Reprinted from the Quarterly Review of Biology, Vol. 32, p. 145-146.

The rate of organic matter accumulation on the sedge mat zones of bogs in the Itasca State Park region of Minnesota / by Gilbert A. Leisman.
20 p. : charts, photos ; 1953.
ID: 88503938
ZZ 1208 VERT FILE
Reprinted from Ecology, Vol. 34, No. 1, Jan., 1953, p. 81-101.

PEAT--ACCUMULATION

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13 p. : photos ; 1972.

ID: 88503939

ZZ 1209 VERT FILE

Reprinted from Ecology, Vol. 53, No. 6, Autumn, 1972, p. 1024-1037.

The rate of peat growth in the Erie Basin / by Paul B. Sears, Elsie Janson.

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ID: 88503940

ZZ 1210 VERT FILE

Reprinted from Ecology, Vol. 14, No. 4, Oct., 1933, p. 348-355.

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Standard test method for pH of peat materials / American Society for Testing and Materials. - Philadelphia, PA : ASTM.

ID: 88505014

In: 1985 Annual Book of ASTM Standards, Section 04.08, p 500-01. [D2976-71].

Über die Höhenänderungen der Mooroberfläche infolge von Sackung und Humusverzehr sowie in Abhängigkeit von Azidität "Atm / by Rudolf Eggelsmann. - Hamburg : Verlag Paul Parey.

(33 p.) : ill. ; 195?

ID: 88505034

ZZ 1881 VERT FILE

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The acidic properties of peat and muck / by Irvin C. (Irvin Carl) Feustel, 1906-. - Washington : U.S. Dept. of Agriculture.

42 p. : ill. ; 23 cm ; 1939.

(Technical bulletin (United States. Dept. of Agriculture) ; 690)

ID: 88503517

ZZ 860 .A1 TECH REPT

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ZZ 1473 VERT FILE

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ID: 88504699

ZZ 1733 VERT FILE

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ZZ 1346 TECH REPT
Contents: Muskeg: its environment and uses; Distribution of organic terrain in northern Canada; The structural aspect of peat; Laboratory compression tests on peat; Approach to the development in organic terrain; Establishment of access over organic terrain; Compressibility of peat.

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ZZ 1036 VERT FILE
From: Sbornik Nauchnykh Rabot Instituta melioratsii, vodnogo i bolotno go khozyaistva, Vol. 2: 51-64. 1953. Translated from Russian.

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Study of field moisture capacity of peat soils of the BSSR when irrigated by sprinkling / by M.V. Makovskii. - Washington, DC : US Dept of Commerce.

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136 p. : ill., maps ; 1986.

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ZZ 205 TECH REPT

Minnesota DNR peat survey sample analysis / Minnesota Department of Natural Resources. - St. Paul, Mn. : Dept of Nat. Resources. [10 p. : charts ; 1976.

ID: 88504351

ZZ 1498 VERT FILE

H2O total weight basis, H2O @ saturation dry weight basis, ash, pH, fiber type

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Proceedings of the eastern muskeg research meeting February 22, 1956 / National Research Council of Canada. Associate Committee on Soil and Snow Mechanics. - Ottawa, On. : National Research Council.

64 p. : photos, charts ; 1956.

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ID: 88504080

ZZ 1337 TECH REPT

Contents: Techniques of road construction over organic terrain; Measurement of the shearing strength of muskeg; The application of aerial survey over organic terrain; Muskeg as it affects the economics of the forestry industry in Quebec; The need for rehabilitation of organic terrain in Ontario with special reference to reforestation; Problems in muskeg accessibility.

Proceedings of the fourth muskeg research conference March 11, 1958 / National Research Council of Canada. Associate Committee on Soil and Snow Mechanics. - Ottawa, On. : National Research Council.

79 p. : photos, charts ; 1958.

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Contents: Vehicles and trafficability; A review of published material on engineering tests of peat; Notes on the mechanical properties of peat; theory of measurement in relation to drainage and bearing strength of muskeg; Drainage systems and machinery.

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155 p. ; 1961.

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ZZ 1345 TECH REPT

Contents: Highway construction and foundations; Panel discussion on classification of muskeg; Guides for the interpretation of muskeg and permafrost conditions from aerial photographs; The procurement of physical and mechanical data for organic terrain; Permafrost.

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Proceedings of the fifth muskeg research conference 4 March 1959 / National Research Council of Canada. Associate Committee on Soil and Snow Mechanics. - Ottawa, On. : National Research Council. 85 p. : charts, photos ; 1959. (Technical memorandum (National Research Council of Canada) ; 61) ID: 88504087 ZZ 1344 TECH REPT Contents: Mechanical properties; Road construction; Vehicles and Trafficability; Aspects of muskeg as it affects the forestry industry; Aspects of ditching and drainage techniques.

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The bulk density of peat and its determination / by Juhani Paivanen. 19 p. ; 1969. ID: 88503570 ZZ 897 VERT FILE Reprinted from Silva Fennica, Vol. 3, 1969, N: 01, 1-19.

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Range of structural variation in organic terrain / by Norman W. Radforth, National Research Council of Canada. Associate Committee on Soil and Snow Mechanics. - Ottawa, On. : National Research Council.
16 p. : photos ; 1955.
(Technical memorandum (National Research Council of Canada) ; 39)
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ZZ 1336 VERT FILE
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Peat and peatland resources of Southeastern Ontario / by J. L. (John L.) Riley, Ontario. Ministry of Northern Development and Mines, Ontario. Mines and Minerals Division. - Ontario, Can.: Ministry of Northern Dev.
283 p. ill. : 6 maps ; 1988.
(Open file report (Geological Survey (Ontario)) ; 5633)
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ZZ 1132 TECH REPT

Organic soils tour British Columbia section August 1967 / by J.I. Sneddon, National Soil Survey Committee of Canada, H.A. Luttmerding. - Vancouver, B.C. : B.C. Dept. of Agriculture.
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Certain hydrophysical properties of peat soils and their alteration on reclamation under conditions prevailing in the ... / by U. Kh. Thomberg. - Springfield, VA: U.S. Dept. of Commerce.
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ZZ 1584 TECH REPT
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Organic soil tour for south central Ontario 1969 / by R. E. Wicklund. - Guelph, Ont.: Ontario Soil Survey.
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ZZ 980 VERT FILE

Capillary conductivity of peat soils at different capillary tensions / by B. D. Wilson.
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Reprinted from Journal of the American Society of Agronomy, Vol. 30, No. 7, July, 1938, 583-588.

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ZZ 1893 VERT FILE
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12 p. : charts ; 1975.
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Report of Golden Valley peat experimental fields, 1918 and 1919 / by F. J. (Frederick James) Alway, 1874-. - St. Paul, Minn. : University Farm.
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A phosphate-hungry peat soil / by F. J. (Frederick James) Alway, 1874-. - St. Paul, Mn. : Univ. of Mn./Ag. Exp.Sta.
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Treatment of muck and dark sandy soils / by S.D. Conner. - Lafayette, In. : Purdue Univ./Dept. Agr.
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1. Schallinger, K. M.
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Reprinted from the Journal of the Scientific Agricultural Society
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Contents: Progress of consolidation in an organic soil; Classification of peat and peat deposits...; Peat structure as a basis of classification; Significance of density as a physical property in peat deposits; Progress report on the application of a neutron soil moisture meter...; Percentage of latewood and rate of growth of Black Spruce...; Study of forest site deterioration; Some micrometeorological observations...

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ID: 88504717
ZZ 1748 MONOGRAPH
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Classification of peat and peat deposits...; Peat structure as a
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property in peat deposits; Progress report on the application of
a neutron soil moisture meter... ; Percentage of latewood and
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St. Paul, Minn. : Agricultural Experiment.
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Peat resources on the northern headwaters region / Minnesota State Planning Agency.. - St. Paul, Mn.: Mn. State Planning Agency.

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ZZ 1788 MAP

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ZZ 1566 MAP
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Soil survey of Hubbard County, Minnesota / by P. R. McMiller... [et al.]. - Washington, DC. : US Dept. of Agriculture.

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Peat deposits of Itasca County Minnesota / Minnesota Geological Survey. - St. Paul, Mn. : Mn. Geological Survey.

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ID: 88500046
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ID: 88503636
ZZ 950 VERT FILE
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Peat resources of Koochiching County / Minnesota State Planning Agency. - St. Paul Mn.:Mn. State Planning Agency.

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ZZ 1789 MAP

Inventory of peat resources, Koochiching County, Minnesota / by L. S. Severson... [et al.]. - Hibbing, Minn. : Minnesota Dept. of Nat. Res.

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ZZ 1429 TECH REPT

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ZZ 1136 VERT FILE

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Landscape evolution, peatland types, and the environment in the Lake Agassiz peatlands natural area, Minnesota / by M. L. Heinselman. - s.l., s.n.

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ZZ 1788 MAP

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Peatlands, north-central Minnesota : a project plan / by Donald I. Siegel, 1947-, Minnesota. Department of Natural Resources. - St. Paul, Minn. : U.S. Geological Survey.

9 leaves : 2 maps ; 1979.

ID: 88501337

TN840 .S5 TECH REPT

PEATLANDS--MINNESOTA--ST. LOUIS COUNTY

An evaluation of surficial geology and peat resources, S. W. St. Louis County, Minnesota / by Morris T. Eng, Minnesota. Division of Minerals. - St. Paul : Minn. Dept. of Natural Resources.

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Peat resources of Minnesota : potentiality report, Fens Bog area, St. Louis County, Minnesota / by Rouse Smith Farnham, 1918-, Donald N. Grubich. - St. Paul, Minn. : Office of Iron Range Res. and Rehab. Board.
40 p. : ill., maps ; 1970.
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S621 .F37 TECH REPT

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20 p. ; 1964.
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S598 .M51 TECH REPT

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ZZ 1572 MAP

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West Arlberg Peatland Survey / Minnesota. Division of Minerals. - (St. Paul, Mn.) : Dept. of Natural Res.
136 p. : ill., maps ; 1986.
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ZZ 205 TECH REPT

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PEATLANDS--MINNESOTA--ST. LOUIS COUNTY

Hydrologic and water quality monitoring of a fuel-peat mine near Cotton, Minnesota / Minnesota. Division of Minerals. - (St. Paul, Mn.): Mn. DNR, Div. of Min.
1 v. : illus. ; 1985.
ID: 88503040
ZZ 653 TECH REPT

West central lakes peat bog leasing prospectus : St. Louis Co., MN : peat lease sale, Dec. 9, 1980 / Minnesota. Division of Minerals. - [S.l.] : Minnesota Dept. of Natural Reso.
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ZZ 863 .A1 TECH REPT
Cover title.
Includes bibliographical references.

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ID: 88503667
ZZ 973 VERT FILE
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ID: 88503712
ZZ 1011 VERT FILE
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Peat sampling: Toivola East Bog, St. Louis County. / Minnesota. Iron Range Resources and Rehabilitation. - Hibbing, MN : Peat Research Office.
[20] p. ; 1966.
ID: 88503713
ZZ 1012 VERT FILE
Site studies.

Peat sampling : Floodwood Bog / Minnesota. Iron Range Resources and Rehabilitation. - Hibbing, MN : Mineral Research Office.
[10] p. : maps ; n.d.
ID: 88503998
ZZ 1267 VERT FILE
Site studies.

PEATLANDS--MINNESOTA--ST. LOUIS COUNTY

Peat sampling : Sturgeon bog, St. Louis County / Minnesota.
Iron Range Resources and Rehabilitation. - Hibbing, MN : Peat
Research Office.
[20] p. : maps ; 1968.
ID: 88503999
ZZ 1268 VERT FILE
Site Studies.

Peat sampling : Canyon Bog / Minnesota. Iron Range Resources
and Rehabilitation. - Hibbing, Mn. : Peat Research Office.
[10] p. : maps ; 1966.
ID: 88504342
ZZ 1490 VERT FILE
Site studies.

Central Lakes Bog (Minnesota) / St. Louis County Peat Products
Company. - Minnesota: St. Louis Co. Peat Products Co.
1 map ; 100 x 76 cm. ; 1962.
ID: 88504439
ZZ 1573 MAP

Toivola S. Area : St. Louis County (Minnesota)
3 maps ; 45 x 45 cm. ; n.d.
ID: 88504433
ZZ 1567 MAP
1. Township No. 54N, Range No. 19W
2. Township No. 54N, Range No. 20W
3. Township No. 55N, Range No. 20W

PEATLANDS--MORPHOMETRY

Morphometry of the raised bogs of Minnesota: relationship of
size and form / by Robin Fox.
8 p. : charts ; 1977.
ID: 88504408
ZZ 1543 VERT FILE

PEATLANDS--MUSHROOMS

Bonaparte peat as casing for mushroom culture : Test #2 progress
report / by Lee C. Schisler, H.R. Muthersbaugh.
5 p. : charts, graphs ; n.d.
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ID: 88504717
ZZ 1748 MONOGRAPH

Contents: Progress of consolidation in an organic soil; Classification of peat and peat deposits...; Peat structure as a basis of classification; Significance of density as a physical property in peat deposits; Progress report on the application of a neutron soil moisture meter...; Percentage of latewood and rate of growth of Black Spruce...; Study of forest site deterioration; Some micrometeorological observations...

PEATLANDS--ROADS

Proceedings of the western muskeg research meeting March 2, 1955 / National Research Council of Canada. Associate Committee on Soil and Snow Mechanics. - Ottawa, On. : National Research Council.
27 p. ; 1955.
(Technical memorandum (National Research Council of Canada) ; 38)
ID: 88504078
ZZ 1335 TECH REPT

Contents: Some engineering properties of muskeg; Primary and secondary access over muskeg in forestry practice; Engineering characteristics of western muskeg; muskeg problems in Quebec highway construction; Limitations in assessing subsurface organic terrain characteristics in pre-construction survey.

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64 p. : photos, charts ; 1956.
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ID: 88504080
ZZ 1337 TECH REPT

Contents: Techniques of road construction over organic terrain; Measurement of the shearing strength of muskeg; The application of aerial survey over organic terrain; Muskeg as it affects the economics of the forestry industry in Quebec; The need for rehabilitation of organic terrain in Ontario with special reference to reforestation; Problems in muskeg accessibility.

Proceedings of the third muskeg research conference February 20 and 21, 1957 / National Research Council of Canada. Associate Committee on Soil and Snow Mechanics. - Ottawa, On. : National Research Council.
65 p. : charts, photos ; 1957.
(Technical memorandum (National Research Council of Canada) ; 47)
ID: 88504083
ZZ 1340 TECH REPT

Contents: Some operating problems on peat moss bogs; Winter roads over muskeg; Some economic aspects of construction in muskeg areas, with particular reference to oilfield roads; Problems of access as pertaining to off-the-road vehicles.

PEATLANDS--ROADS

Annual report of the Canadian section of the International Society of Soil Mechanics and Foundation Engineering for year / National Research Council of Canada. Associate Committee on Soil and Snow Mechanics, C.B. Crawford. - Ottawa, On. : National Research Council.
25 p. ; 1958.
(Technical memorandum (National Research Council of Canada) ; 55)
ID: 88504085
ZZ 1342 TECH REPT

Contents: Soil properties and their measurements; Techniques of field measurements and sampling; Foundations of structures; Roads, runways and rail-tracks; Earth pressure on structures and tunnels; Earth dams, slopes and open excavations.

Proceedings of the fifth muskeg research conference 4 March 1959 / National Research Council of Canada. Associate Committee on Soil and Snow Mechanics. - Ottawa, On. : National Research Council.
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ID: 88504087
ZZ 1344 TECH REPT

Contents: Mechanical properties; Road construction; Vehicles and Trafficability; Aspects of muskeg as it affects the forestry industry; Aspects of ditching and drainage techniques.

Proceedings of the sixth muskeg research conference April 20 and 21 1960 / National Research Council of Canada. Associate Committee on Soil and Snow Mechanics, Ivan C. MacFarlane, J. Butler. - Ottawa, On. : National Research Council.
155 p. ; 1961.
(Technical memorandum (National Research Council of Canada) ; 67)
ID: 88504088
ZZ 1345 TECH REPT

Contents: Highway construction and foundations; Panel discussion on classification of muskeg; Guides for the interpretation of muskeg and permafrost conditions from aerial photographs; The procurement of physical and mechanical data for organic terrain; Permafrost.

Proceedings of the eighth muskeg research conference 17 and 18 May 1962 / National Research Council of Canada. Associate Committee on Soil and Snow Mechanics, Ivan C. MacFarlane. - Ottawa, On. : National Research Council.
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(Technical memorandum (National Research Council of Canada) ; 74)
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ZZ 1346.1 TECH REPT

Contents: Density and water measurements in peat by radioactive methods; Road construction; Corrosion in muskeg; Laboratory and field data on engineering characteristics of some peat soils; The analysis of secondary consolidation of peat.

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Reprinted from Roads and Engineering Construction, Vol 94, No. 7, July, 1956, p. 3-7.

Proceedings of the seventh muskeg research conference April 18 and 19, 1961 / National Research Council of Canada. Associate Committee on Soil and Snow Mechanics, J. Butler, Ivan C. MacFarlane. - Ottawa, On. : National Research Council. 227 p. : photos, charts ; 1961. (Technical memorandum (National Research Council of Canada) ; 71)
ID: 88504089
ZZ 1346 TECH REPT
Contents: Muskeg: its environment and uses; Distribution of organic terrain in northern Canada; The structural aspect of peat; Laboratory compression tests on peat; Approach to the development in organic terrain; Establishment of access over organic terrain; Compressibility of peat.

PEATLANDS--RUNOFF

Water table drawdown around an open ditch in organic soils / by Don Howard Boelter. - Grand Rapids, Mn. : No. Conifers Lab. 11 p. : charts ; n.d.
ID: 88504021
ZZ 1290 VERT FILE

Methods for assessing the quality of runoff from Minnesota peatlands / by John C. Clausen. - St. Paul, MN : University of Minnesota. 188 p. : charts ; 1981.
ID: 88503837
ZZ 1123 TECH REPT
Ph.D. dissertation.

Effects of drainage on runoff from peatland watersheds / by David J. Holtschlag. - St. Paul, Mn. : Univ. of Mn./Dept. Soils. 8 p. : graphs ; 1976.
ID: 88504119
ZZ 1363 VERT FILE

Effects on Scots Pine growth of ground water adjusted to the ground surface for periods of varying length during ... / by Eero Pelkonen. 7 p. : charts ; 1975.
ID: 88504472
In: SUO, Vol. 26, No. 2, 1975, p. 25-32. Finnish with English summary.

PEATLANDS--SARAWAK

A review of lowland organic soils of Sarawak / by Tie Yiu Liong, Kueh Hong Siong. - Sarawak, Malaysia : Dept. of Agriculture. 35 p. : photos ; 1979.
ID: 88504734
ZZ 1765 VERT FILE

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Reclamation of Scottish peat land / by E.L. Birse. 7 p. ; 1956.
ID: 88503639
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Reprinted from Town and Country Planning, March 1956 for the Macaulay Institute for Soil Research.

Scottish peat surveys / Great Britain, Dept. of Agriculture and Fisheries for Scotland. - Edinburgh, H.M.S.O. 4 v. : maps ; 1964-1968.
ID: 88504503
TN840.S3 A5 MONOGRAPH
v. 1. South West Scotland.--v. 2. Western Highlands and islands.-- v. 3 Central Scotland.--v. 4. Caithness, Shetland and Orkney.

On the Mires in England and Scotland / by Erkki Kivinen. - s.l.: s.n. 12 pp. ; 1951.
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ZZ 1897 VERT FILE
In Finnish with English summary.
Reprint from The Journal of the Scientific Agricultural Society of Finland., 23, 1951, p. 88-99.

Report of the Scottish Peat Committee / Scottish Peat Committee. - Edinburgh, Scotland:Her Majesty's Office. 66 p. : charts, photos ; 1954.
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PEATLANDS--SOUTH CAROLINA

Peat resources of South Carolina / by A. D. Cohen. - (Columbia, SC : Univ. of S. Carolina). 31 p. : ill. ; 198?
ID: 88505068
ZZ 1915 VERT FILE
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PEATLANDS--SUGAR BEETS

The production of sugar beets on organic soils / by J. F. Davis.
 - Washington, DC: American Potash Inst., Inc.
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PEATLANDS--SWEDEN

Studies on mire vegetation in the Tornetrask area, Northern Sweden / by Mats Sonesson. - Lund.
 v. : illus., maps, 24 cm. ; 1967.
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 52 p. : charts ; 1970.
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Artificial growing mixtures for the production of greenhouse tomatoes, vegetable and bedding plants and pot plants / by J.A. Martin, T.L. Senn. - Clemson, SC: Clemson U/SC Ag Exp Station.
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An evaluation of the response of tomato plants to different brands and shapes of peat pots / by John D. Ridley, B. J. Skelton, E. T. Sims. - Clemson, S.C. : Clemson Univ./Ag.Exp.Sta.
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PEATLANDS--TRAFFIC MOBILITY

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 219 p. : illus. ; 1966.
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 Contents: Progress of consolidation in an organic soil; Classification of peat and peat deposits...; Peat structure as a basis of classification; Significance of density as a physical property in peat deposits; Progress report on the application of a neutron soil moisture meter... ; Percentage of latewood and rate of growth of Black Spruce...; Study of forest site deterioration; Some micrometeorological observations...

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 ID: 88504084
 ZZ 1341 TECH REPT
 Contents: Vehicles and trafficability; A review of published material on engineering tests of peat; Notes on the mechanical properties of peat; theory of measurement in relation to drainage and bearing strength of muskeg; Drainage systems and machinery.

Muskeg impedance factors controlling vehicle mobility / National Research Council of Canada. Associate Committee on Soil and Snow Mechanics, Norman W. Radforth, Jean. Evel. - Ottawa, On. : National Research Council.
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 85 p. : charts, photos ; 1959.
 (Technical memorandum (National Research Council of Canada) ; 61)
 ID: 88504087
 ZZ 1344 TECH REPT
 Contents: Mechanical properties; Road construction; Vehicles and Trafficability; Aspects of muskeg as it affects the forestry industry; Aspects of ditching and drainage techniques.

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Proceedings of the eighth muskeg research conference 17 and 18
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 ID: 88504090
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 Contents: Density and water measurements in peat by radioactive
 methods; Road construction; Corrosion in muskeg; Laboratory and
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1978 Peatland project - turf & vegetables - Anoka, MN.: s.n.
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The effect of three organic fertilizers, a commercial lawn
 fertilizer and gibberellic acid on the growth and nitrogen
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 MN : U of MN, Dept of Soils.
 8 p. : charts ; 1958.
 (Report (Univ. of Mn. Dept. of Soils) ; 21)
 ID: 88503815
 ZZ 1101 VERT FILE

Influence on grass growth of various proportions of peat in lawn
 soils / by L.E. Longley. - St. Paul, Mn. : Univ of Mn.
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 ZZ 1310 VERT FILE

1981 peatland project / Minnesota. Anoka County., University of
 Minnesota. Dept. of Soil Science. - St. Paul, Mn. : Univ. of
 Mn. Soil Sci.
 53 p. : charts ; 1981.
 ID: 88504350
 ZZ 1497 VERT FILE

The effects of various coarse textured material and peat on the
 physical properties of Hagerstown soil for turfgrass product /
 by George J. Shoop. : Penn State Univ/Dept of Agron.
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 Ph.D. dissertation.

Minnesota and European peat products for turf fertilization / by
 Leon C. (Leon Carleton) Snyder, 1908-... [et al.]. - St. Paul,
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 6 p. : charts ; 1957.
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 18)
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ZZ 1362 VERT FILE

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Survey of peat deposits / Administration for Peat and Peat Resources, Ministry of Agriculture of the RSFSR (U.S.S.R.). - Moscow : Administration for Peat and (261) p. : 7 maps insert : 1954.
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In Russian.

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The Soviet peat industry / by George Kazakov, pseud. - New York, Published for the Research Pro. 245 p. 22 cm. ; 1956.
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PEATLANDS--UNITED STATES

Peat mining: an initial assessment of wetland impacts and measures to mitigate adverse effects / by John M. Carpenter, George T. Farmer, United States. Environmental Protection Agency. - Washington, D.C. : Environ. Protect. Agency. 61 p. : ill. ; 28 cm. ; 1981.
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Peat in the United States / by Eugene Titus Sheridan, 1917-, Joseph A. DeCarlo. - [Washington]. 25 p. illus., diags. ; 1957.
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PEATLANDS--UTILIZATION

Factors and problems in the selection of peat lands for different uses / by Alfred P. (Alfred Paul) Dachnowski, 1875-1949. - Washington, DC : US Dept of Agriculture. 23 p. : photos ; 1926. (Department bulletin (United States. Dept of Agriculture) ; 1419)
ID: 88503797
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Sci. Dept.
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Thomas E. Levar, Natural Resources Research Institute. -
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ZZ 1430 TECH REPT
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ZZ 882 VERT FILE
Reprint: Przegląd Geograficzny, t. XXXII, z.4, 1960, 487-511.
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- A focus on peatlands and peat mosses / by Howard Alvin Crum,
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Dept. of Energy.
105 p. : illus. ; (1985?).
ID: 88502453
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Vilis Kurmis, 1922-, Henry L. Hansen, John J. Olson. - St. Paul,
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ID: 88503296
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ZZ 1522 .A1 TECH REPT
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